

Welcome to INFO319:  
Research Topics in  
**Big Data**  
[wiki.uib.no/info319](http://wiki.uib.no/info319)

Theme this autumn:  
**Big Data for  
Emergency Management**

Dr. Vimala Nunavath  
<Vimala.Nunavath@uia.no>

# Project BDEM

- Building a curriculum around leveraging big data in emergency situations
  - Norwegian Research Council
  - Sogndal, Tokyo, Hong-Kong, Chicago, San Diego
  - Bergen has focus on big linked data
- This Master course started last autumn and continue
  - Builds on INFO310 from last before autumn
- Possibilities:
  - Master theses
  - Student visits abroad

# Themes

•Themes, autumn 2019:

- 1) Emergency management (Aug 20th)
- 2) Big data (Aug 21st)
- 3) Emergency data sources (Sept 19th)
- 4) Sensors / IoT (Sept 20th)
- 5) Social media (Oct 3rd)
- 6) Machine learning and Natural language processing (Oct 4th)
- 7) and 8) Spatial Intelligence for BDEM (Visualisation / Dashboards) Guest lecture (Oct 24th and 25th)

# Curriculum

- Textbook:

- Carlos Castillo (2016). **Big Crisis Data – Social Media in Disasters and Time-Critical Situations**. Cambridge, 212 pages.

- Research papers in the wiki:

- [https://wiki.uib.no/info319/index.php/Central\\_themes](https://wiki.uib.no/info319/index.php/Central_themes)

- A general book discussion of big data:

- Rob Kitchin (2014). **The Data Revolution: Big Data, Open Data, Data Infrastructures & their Consequences**. Sage, 208 pages.

# Requirements

- Participation:

- active participation in seminars
- graded individual essay (30%)
- graded group assignment (40%)
- written exam (30%)

- Important dates:

- submission of individual essay: December 4<sup>th</sup> 2019
- submission of group assignment: December 13<sup>th</sup> 2019
- exam: December 18<sup>th</sup> 2019

# Seminars

- 10 seminars: Thursday / Friday 1015-1600

–dates:

- August 20-21
- September 19-20
- October 3-4
- October 24-25
- December 5-6

–the sessions are highly interactive

- you present, critique and discuss
  - chapters and papers
  - your essays and projects

–80% mandatory participation (you can only miss one)

*Thank you :-)*



UNIVERSITETET I BERGEN

*Institutt for informasjons- og medievitenskap*

*Master - Information Meeting - 2019*